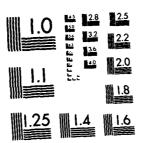
AD-A184 212 DEPARIMENT OF THE ARMY JUSTIFICATION OF ESTIMATES FOR 1/1
PISCAL YEARS 1988/1. U.) DEPUTY CHIEF OF STAFF FOR
UNCLASSIFIED

THE SEARCH DEVELOPMENT AND ACQUISITIO. JAN 87
F.G. 15/5 NL



MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS-1963-A

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DEPARTMENT OF THE ARMY

MISSILE PROCUREMENT, ARMY

JUSTIFICATION OF ESTIMATES FOR FISCAL YEARS 1988,

Section 2 - Budget Activity Justification Judy.

Section 3 - Comparison of Program Requirements and Financing.

Section 3 - Comparison of Program Requirements and Financing.

The first f TABLE OF CONTENTS.

2-1

Section 1 - Budget Appendix Extract.

2-1 January 1987

MISSILE PROCUREMENT, ARMY

Section 1

Budget Appendix Extract

Language

Program and Financing Schedule

Object Classification Schedule

APPROPRIATION LANGUAGE

and training devices; expansion of public and private plants, including the land necessary therefor, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expanses necessary for the foregoing purposes: \$2,458,466,000, of which \$20,000,000 shall be available only for the Army National Guard and Army Reserve, to remain available for obligation until September 30, 1990. including ordnance, ground handling equipment, spare parts, and accessories therefor; specialized equipment For construction, procurement, production, modification, and modernization of missiles, equipment,

Further, for the foregoing purposes, \$2,923,200,000, of which \$20,700,000 shall be available only for the Army National Guard and Army Reserve, to become available for obligation on October 1, 1988 and to remain available for obligation until September 30, 1991. (10 U.S.C. 2353, 2361, 3013, 4531-32; Department of Defense Appropriations Act, 1987, as included in Public Laws 99-500 and 99-591, Section 101(0); additional authorizing legislation to be proposed).

2-2 January 1987

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					99,860			
	49				23,307			
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New Yorks a boortest by the property of the property of the property of prior the property of prior the property of the property of the property of the prior the property of the prior th					-33,031			
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Reduction personal to P. 1. 99-177 in units batt April 12,639		13,003			12,639			
THE WORLD STREET		12,639						
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Missile Procurement, Aimy

	COOKE) 15-(4 15-01-10	Budget	Budget Plan (amounts for PRUCUREMENT	HOUNTS FOR PRUCUREMEN	ENT		Op fost lone		
		•	Actions programmed)	(Dama)			4444		162 2831
		1980 actual	1987 481	. 148 abt.	1989 est.	1989 est. 1986 actuel	1987 est	149 005	
Jan 11 1 cation code (1 2002: 0:1 05)									
Program by activities:						231,786	107,203		
Darect program:						102,350	916.97		
						77.151	9,435	;	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
.U.G.D. Spares and repair parts U.D.D. Support equipment and facilities			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		553,674	151,466		
the time of the direct propriem						15,064	989.4		
				**	1				
.1.0101 Reimbursable program	1					568,738	156,365		
ט.טטטו וסטטיט									
Finanching: Oceans of collections from:						11,223			
						-36,339			
3 0001 Trust Tundst-7						- 741,775	- 156,365		
		001 12	-32,800			-71,100	-32,800		
		69.733				66,336	1		
1.4007 Repropriesing From/to prior yes, course, prior accounts		68,336	32.800			14 447	32.800		
		34.697							
œ :						156.365			
Incomingated balance activities budget plans		32,800				008.75	1		
	•	1							
Vitagine teaching									

2-4 January 1987

2-5 January 1987

Budgat plan Amounts for percuse Budgat plan Budgat							1 1 1 1 1 1 1 1		
Propose by activities Page actual Page ust Page actual Page ust Page actual Page actual Page ust Page actual Page ust Page actual Page actual Page ust Page actual Page ust Page actual Page act	;	a subset	Plan (amounts actions progr	fur PROCURÉM			Outigations		
1,928,048		1986 ACTUA	1987 #51.	1988 ast.		1986 sctus!	1987 ust.	1988 est.	1969 est.
	20	2,299,443 157,308 253,558 50,271				1,928,048	171,044 34,663 44,322 5,362	200,351 11,012 17,749 3,483	
Total Tota		2,760,580				2,272,594	255,391	232,595	
Total	1 Olo Reighbursen et le contraction de la contra	562,330				505,035	57,295	1	1
Unitability collections from: Unitability collections from: Federal fundat 1 to the fundat 1 to t	(0,000) Tetal	3,322,910			; ; ; ; ; ;	2,777,629	312,686	232,595	
Unobilisated belance avoidable, start of year. -616 (supplisation of priority and builder than a second builder than a builder tha	τ	488,678				-488,678 -73,652			
Reprogramming frunklop prior year budget plans Unuplicated belance rearries and to offer accounts Unuplicated belance rearries and to offer accounts Unuplicated belance accepted by year; Available to finance accepted by year;			006'18-				-458,821	-232,595	
Unobligated balance available, end of year: For campletion of prior year budget plans Available to finance subsequent year budget plans 2.182.020 2.182.020		.86,460	86.460 65,360 66,800				-65,360		
2 : 162 : 020	Unobligated balance available, em for cumpletion of prior year but available to finance subsequent	006.18				458,821	232,595		
		2,762,020	1	1		2,762.020			

2-6 January 1987

	Control (10 Processes of Collect (10 Processes of Collect Management	of Guillary) 11307			1				
		Pudbud	Pign (gasonts for	Budget Plan (amounts for PROCUREMENT Morning Apparement)	ENI		1001 1481 100		
		Tacking Name	1887 681	1988 051	1989 881	1986 actual	1987	1988 est.	1989 est
11.5	(dentification code 21-2032-0-1-05)								
•	Program Dy Artivities: Direct program:		1.881.400				1,389,160 103,280 112,320	319,956 16,783 18,252	9,628
00.00	TOTAL TRACTOR OF SERVICE		140,400				34,320	5,577	3.0
(10 0401	Support aguitating for a factivites	1	2,193,800		:		1,639,080	360,568	194, 152
1018.00	total direct program		008.675			,	579,800		1
1010	11.0101 Reimbursable program	1	2,773,600				2,218,880	360,568	194, 152
1000	ng.gooi fotel								
-	financing: Offsetting collections from:		-451,000				451,000 127,700 1,100		
200			001.1					554,720	- 194, 152
4000							554,720	194, 152	
74.4002	_	1	2,193,860	:			008,661,5		
19 000 1	Budget authority		1 1 1 1 1 1 1				2,206,800		
:			2,206,800				13,000		
10000	Appropriation		Contract of			1	2,193,800	'	

	a morphise	Plan (amounts for actions programmi)	Budget Plan (amounts for PROCUREMEN)			Obligations	Obligations	
140-1-2037-0-1-051	140134 GRRI	1987 abt	1988 est.	1989 est, 1986	1989 est, 1986 actual	1987 851.	1986 est.	148 ast.
Program by activities:								
3			2,015,474	•			1,523,439	20,971
			246,600				197,280	32,056
CO.0301 Sperse and repell perte Ob.0408 Scoool acutoment and fartilities							28.062	4,500
	· · · · · · · · · · · · · · · · · · ·		2,458,466				1,877,833	311,412
			444,760				444,700	
U. C.C. Nelmbursable program	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1			, , , , , , , , , , , , , , , , , , , ,		
10.0001 Tatal			2,903,166				2,372,333	*
Financing:								
Offselling collections from:			005 566				-386.600	
11.0001 Federal funds(=)			200,000				-57.500	
13.0001 Trust funds(-)			000				009	
14,000: Non-Federal sources()			000					
Unobligated balance available, start c								580 633
11,4002 For completion of prior year budget plans								
Unutiligated balance available, end of							580,633	203,221
24 4002 For completion of prior year budget plans								
			2.458.466				2,458,466	

2-7 January 1987

2-8 January 1987

		Budget	Budget Plan (amounts for PROCUREMENT actions programed)	for PROCUREM	L		Obligations	Obligations	1
Luentitt	Jentification code 21-2032-0-1-051		1987 ast	1986 est.	988 est. 1989 est.	1986 actual 1987 ast. 1988 est. 1989 est. 1986 actual 1987 est. 1988 est. 1989 est.	1987 ust.	al 1987 ast. 1988 est.	1989 ast.
1010.00	Direct program: Other missifes				2,371.767				1.811.173
00 000	Modification of missifes				250, 272				197,862
00.0301	Spares and repair parts Support equipment and facilities				50,459				40,367
		1	1 1 1 1 1 1 1 1 1 1	1	2,923,200	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			2,249,620
					001.				00/ 049
1010.16	01.010] Reimbursable program	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		* * * * * * * * * * * * * * * * * * * *	77.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
10.0001	10.0001 Tutal				3,367,900				2,694,320
•	Financing:								
	Offsetting collections from.				-386 600				- 386, 600
11,0001	Federal tunds(-)				-57.500				-57,500
13.000	(-)sound (-)soul				- 600				009
14,0001	NGG-FEGGERS SOUTCES!)								
74.4002	To resolution of prior year budget plans								673,580
			**********						0000 2000 0
1000 01	18,0001 Budget authority (Appropriation)	007, 626, 7			2,923,200				007,636,4

		Budget	Budget Plan (amounts for PROCUREMENT actions programed)	tor PROCUREM	ENT		Obligations		
entit!	Identification code 21 2012-0-1 051	1986 actual	1987 est.	1988 est.	1989 est.	1986 actual	1987 ***	1988 est.	1988 est
00.0101 00.0201 00.0301 00.0401	Program by activities: Diest program analyse Other massies Modification of missies Supere and regal passies Support equipment and factities	2,299,443 157,308 253,558 50,271	1, 881, 400 129, 100 140, 400 42, 900	2,015,474 161,315 246,600 35,077	2,371,767 250,272 250,702 50,459	2,268,466 243,719 423,734 141,884	1,667,407	2,043,746 156,847 233,281 37,122	2,303,280 230,226 239,748 47,930
1016 00	Total direct program	2,760,580	2,193,600	2,458,466	2,923,200	3.077.603	2,045,937	2,470,996	2,821,184
1010.10	##UDOJA # (20%JAG#: 4%)	562,330	579,600	444.700	444,700	520,101	641,994	444,700	444, 700
10000.01	lutel	3,322,910	2,113,600	2,903,166	3,367,900	3,597,904	1,66,180,5	2,915,696	3,265,884
11 0001 14 0001 17 0001	Financing: Utsating collections from: Utsating collections from: Federal runds(-) Frost funds(-) Forst funds(-)	-488.678 -73,652	-451,000 -121,700 -1,100	380, 600 97,500 900	-386,600 -57,500 -600	-474,898 -97,435 -69,370	-451,000 127,700 -1,100	009,48E.	.386, buo
71,4002 71,4003 71,4007 72,4001 73,4001	for completion of princip veat budget plans. Available to findice new budget plans. Reprogrammy fromfor prior year budget plans. Begingwath balance transferred to other accounts. Unobligated balance transferred to other accounts. Unobligated balance reacinded. Appropriation Production pursuant to P. 1. 99 17 in unobligate. Production pursuant to P. 1. 99 17 in unobligate.	81,200 -188,219 84,820 52,700	21.20,700 86,460 65,360 99,600			.999, 123 -61,200 64,620 52,700	. 615, 186 -120, 700 -120, 700 -120, 340	-787,315	- 774 , 765
24, 4002 24, 4003 25, 0001	Controlled to the controlled t	120,100				615,186 120,700 12,639	315,781	774,785	476.801
1000 61	Budget muthority	2,762,020	2,193,800	7,458,406	2,923,200	2,762,020	2,193,600	2,458.466	2,923,200
1000 11	hority. ation red to other acci	2,762,020	2,206,800	7,458,466	2,923,200	2,762,020	2,206,800	2,458,460	2.923,200
1000 ft	Approprietion (adjusted)	2.762,020	2,193,800	7,458.456	2.923,200	2,762,020	2,193,800	2,458,456	2,923,200
72.4001 72.4001 74.4001 77.0001	elation of obligati Obligations incorr Obligated balance. Obligated balance. Adjustments in emp					3,025,668 4,128,284 -4,584,453 -72,460 -69,370	2,108,141 4,584,453 3,854,884	2,4/0,995 3,854,884 -3,678,180	2,821,184 3,678,180 4,072,264
1000.04	O. et l. co. t					2.477.6nd	002 (187)	7 6.4 7 200	2 433 1000

05 Jan 87

Missile Procurement, Army Object Clessification (in Thousands of dollars) SUMMARY

		1986 actual 1987 est. 1988 est.	1987 est.	1968 est.	1989 6961
Identiff	den ficetiun code 21-2032-1-1-05	;			;
	Direct obligations:	637,536	756,997	518,909 914,269	1,065,414
125.004	125.004 Outset United Balancials 131.001 Equipment				2,821,184
199.001	199. DUI Total Direct ublimetions				
•	Resebutuable ubligations: Ottos services	109,221	104,118 272,345 265,531	43.387 164.538 186.774	93,387 164,539 186,774
225 004 226.001 231.001	255 004 Dilect 225.000 Supplies and materials 231.001 Equipment			444,700	444,700
100.667	.99.001 Total Reimbursable ubligations	3,597,904 2,687,931		2,915,696 3,265,884	3,265,884
199,901	1949.901 Tutel ubligetions				

MISSILE PROCUREMENT, ARMY

Section 2

Budget Activity Justification

Activity 2 - Other Missiles

Activity 3 - Modification of Missiles

Activity 4 - Spares and Repair Parts

Activity 5 - S -- ort Equipment and Facilities

2-11 January 1987

Department of the Army Annual Budget Estimates JUSTIFICATION	Appropriation Missile Procurement, Army	, Army		FY 1988/89 Budget
Program or Budget Project Account		(Thousands of Dollars)	. Dollars)	
	Actual	Estimate	Estimate	Estimate
Activity 2 - Other Missiles	FY 1986	FY 1987	FY 1988	FY 1989
Direct Obligation or Direct Budget Plan \$2,299,400		\$1,881,400	\$2,015,500	\$2,371,800

Section 1 - PURPOSE AND SCOPE

Provides for procurement of surface-to-air, antitank assault, surface-to-surface and air-to-surface missile systems; related ground support equipment; and initial issue and replacement of losses consumed in reliability flrings, crew proficiency firings, and other training activities.

Section 2 - JUSTIFICATION OF PUNDS REQUESTED

(\$ in Thousands) <u>FY 1988</u> \$34,200 \$6.400	
em No. 1)	
CHAPARRAL Missile System (P-1 Line Item N	

\$34.2 million is requested in FY 1988 for procurement of 122 Rosette Scan Seeker (RSS) missiles to upgrade CHAPARRAL Missiles with Infrared Counter-Counter Measures capability. \$58.4 million requested in FY89 continues procurement of 368 CHAPARRAL RSS missiles.

sands)	FY 1989	909,63
(\$ in Thou	FY 1988	1 **
Item No. 2)		
stem (P-1 Line		
Air Defense Sv		
ne of Sight 1	210 21 210	
A COM		

\$9.8 million is requested in FY 1989 to fund the integration of the Fiber Optic Guided Missile into the overall Forward Area Air Defense System. The Non Line of Sight Air Defense System provides low altitude defense for ground forces against attacks by low-flying masked and stand-off rotary-wing targets.

2-12 January 1987

(* in Thousands) FY 1988 Non Line of Sight Air Defense System Advance Procurement (P-1 Line Item No. 3)

\$56.1 million is requested to procure long lead production items for the Fiber Optic Guided Missile which Will enter limited production in FY 1990.

Air Defense System Heavy (P-1 Line Item No. 4)

(\$ in Thousands)

Sight Forward Heavy fire units. Line of Sight Forward Heavy is a component of the Forward Area Air Defense System designed to counter the line of sight fixed wing and helicopter threat to forces in Heavy Divisions (armor and mechanized infantry). \$59.4 million is requested in FY 1988 for the initial procurement of 245 Line-of-Sight-Forward-Heavy Ai-Defense missiles. \$264.0 million is requested in FY 1989 for the procurement of 709 missiles and 40 Line of

Classified Program (P-1 Line Item No. 5)

FY 1989 \$8,100 (\$ in Thousands)
FY 1988

\$6.1 million is requested in FY 1989 for a classified effort.

Other Missile Support (P-1 Line Item No. 6)

(\$ 1n Thousands)
FY 1988
\$44,500

\$4.5 million in FY 1988 and \$5.5 million in FY 1989 procures replacement HAWK rocket motors and peculi support equipment.

PATRIOT Hissile Syntem (MYP) (P-1 Line Item No. 7)

(\$ in Thousands)
FY 1988
\$851,400

million is re-wested for procurement of 815 missiles and 9 fire units. PATRIOT is an improved air defense system which will re-la-e NIKE-HERCULES and some HAWK batteries and is specifically designed to defeat the advanced air threat of the 1990's and beyond. Procurement began in FY 1980 and will continue into the nineties. PATRIOT multiyear procurement strategy will save \$370 million over a 5-year period. \$851.4 million is requested in FY 1988 for 715 PATRIOT missiles and 12 fire nits. In FY 1989 \$804.1

PATRIOT Advance Procurement (MYP) (P-1 Line Item No. 8)

(\$ 1n Thousands)
FY 1986
\$40,100
\$37,400

\$40.1 million is requested in FY 1988 and \$37.4 million is requested in FY 1989 to procure advance materials in support of a multiyear procurement acquisition strate " for the PATRIOT missile system.

STINGER Missile System (HYP) (P-1 Line Item No. 9)

(\$ in Thousands)
FY 1988
\$154,200 \$200,300

1987, the Army plans to initiate a three year multiyear procurement of the STINGER missile and to develop a \$154.2 million is requested for the procurement of 4,200 Stinger-POST/RMP missiles in FY 1988 and \$200.3 million for 5,000 Stinger-POST/RMP missiles in FY 1989. The Stinger is a man-portable air defense missile system that provides self-defense to forward deployed, company size combat units. Be-inning in PY second source for STINGER production.

STINGER Advance Procurement (MYP) (P-1 Line Item No. 10)

(\$ in Thousands)
FY 1989
FM 1988
FM 500

to warmanted in RV 1080 to procure advance

\$45.5 million is requested in FY 1988 and \$44.0 million is requested in FY 1989 to procure advance materials in economic order qua 'ities in support of the multiyear procurement of the STINGER Missile System.

STINGER Pedestal Mount (P1 Line Item No. 11)

(\$ in Thousands)
FY 1989
\$55,800 \$115,20

\$55.8 million is requested in FY 1988 for 30 Pedestal Mounts for the STINGER Missile System and \$115.2 million in FY 1989 for 100 Pedestal Mounts. The Pedestal Mounted STINGER improves the mobility, fire power, reaction time and man-machine interfaces of the manportable STINGER missile..

LASER HELLFIRE System (P-1 Line Item No. 12)

(\$ in Thousands)

PY 1988
\$146,80

\$168.4 million is requested in FY 1988 to procure 5000 missiles and associated equipment. \$146.8 million is requested in FY 1989 to procure 4000 HELLFIRE missiles. The HELLFIRE missile system is designed to defeat the current and future armor threat at stand-off ranges. Mounted on the AH-64 hellcopter, it will increase survivability and lethality.

TOW 2 Hissite System (P-1 Line Item No. 13)

(\$ in Thousands)
FY 1989
\$131,200 \$117,000

The FY 1988 budget request of \$131.2 million will produce 9,416 TOW 2 missiles and ground support equipment. The FY 1989 request of \$117.0 million includes initial production of the improved lethality TOW 2 warhead and produces 8,719 missiles. The TOW-2 system is an upgrade of the basic TOW which was originally fielded in 1970. The TOW-2B is a further upgrade designed to defeat threat armor until the fleiding of Advanced Antitank Weapon Systen-Heavy (AAWS-H).

PERSHING Missile System (P-1 Line Item No. 15)

Thousands)

1 1988 FY 1989 6,700 \$6,600

(**\$** in

\$6.7 million is requested in FY 1986 and \$6.6 million is requested in FY 1989 to procure telemetry kits for Joint Chief of Staff directed testing of the Pershing missile system.

Multiple Launch Rocket S.stem (MLRS) (MYP) (P-1 Line Item No. 10)

(\$ in Thousands)

FY 1986
\$424,400
\$417,000

equipment in FY 1968. \$417.0 million is requested to procure 36,000 rockets, 44 launchers, and associated ground support equipment in FY 1989. The MLRS is a Free-flight, multiple launch rocket system with a dual artillery and air defense systems, and supplement cannon artillery when targets exceed capabilities during surge conditions. The FY 1989 request includes initial production facilitization funding for the binary chemical warhead, which will be launched from MLRS rockets.. purpose improved conventional munition warhead. MLRS includes a tracked, self-propelled launcher loader, \$424.4 million is r quested to procure 72,000 rockets, 24 launchers and associated ground support disposable launch pod container, and rockets. Its mission is to neutralize or suppress enemy field

Multiple Launch Rocket System (MLRS) (MYP) Advance Produrement (P1 Line Item No. 17)

(\$ in Thousands)

PY 1988

\$22,700

\$ -

\$22.7 miliion is requested in FY 1988 to procure long lead items for a surge capability for MLRS production.

2-15 January 1987

Army Tactical Missile System (ATACMS) (Pt Line Item No. 16)

(\$ in Thousands) FY 1988 \$15,100

\$15.1 million in FY 1988 and \$77.0 million in FY 1989 is requested to fund production of the first 66 Army Tactical Missile System is an improved Tactical Missile System is an improved conventional ballistic missile system designed to attack targets at ranges beyond the capabilities of existing cannons and rockets. ATACMS will be transported and launched from the Multiple Launch Rocket System (MLRS) launcher.

Army Tactical Missile System (ATACMS) Advance Procurement (Pi Line Item No. 19)

FY 1989 (\$ in Thousands)
FY 1988
\$1,800 \$1.8 million in FY 1988 and \$4.3 million in FY 1989 is requested for the procurement of long lead items and missile readiness facility equipment for the Army Tactical Missile System.

Department of the Army	Appropriation	uo:		W 1088/80
AMILIA I DOLEGO BSTIMBLOSS	Missile Pro	Missile Procurement, Army		Budget
Program or Budget Project Account		(Thousands	(Thousands of Dollars)	
	Actual	Estimate	Estimate	Estimate
Activity 3 - Modification of Missiles	FY 1986	FY 1967	FY 1988	FY 1989
Direct Obligation or Direct B P	Plan \$157,300	\$129,100	\$161,300	\$250,300

Section 1 - PURPOSE AND SCOPE

Provides for the modification of surface-to-air, surface-to-surface, and antitank missile systems.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

(\$ in Thousands)	FY 1989 \$40,000 \$40,400	
PATRIUT Modifications (P-1 Line Item No. 20)		The state of the s

engagement of low altitude targets, and upgrade the data link terminal at the engagement control station and the launching station to improve reliability. \$40.0 million in FY1988 and \$40.4 million in FY1989 are requested for radar enhancements to improve target data processing and engagement of low radar cross section targets, clutter canceller improvements to improve

(\$ in Thousands)	FY 1988 FY 1989	
CHAPARRAL Modifications (P-1 Line Item No. 21)		

improvement to forward looking infrared (FLIR) night sights and for initiation of Rosette Scan Seeker (RSS) retrofit program (226 RSS seekers to be retrofit onto existing CHAPARRAL missiles). \$65,100 million is requested in FY 1989 to continue procurement of these modifications. \$31.2 million is requested in FY 1988 for procurement of 524 smokeless rocket motors, for optical

2-17 January 1987

HAWK Modifications (P-1 Line Item No.

(\$ in Thousands)
FY 1988

\$35.7 million is requested in FY 1988 for the second year production buy of Phase III modification kits to improve the HAWK missile capabilities. The Phase III modification will improve fire power, low altitude target engagement, and training capabilities of each fire unit, as well as reduce operator and maintenance workloads. \$51.9 million is requested in FY 1989 to continue Phase III procurement and begin procurement of Field Maintenance modification kits and the missile fuze arm modification.

TOW Modifications (P-1 Line Item No. 23)

(\$ in Thousands) FY 1988

\$18.0 million is requested in FY 1988 and \$26.1 million in FY 1989 to provide an increased anti-armor capability, increased performance and hardening against obscurants, and electrical optical countermeasures for the TOW missile. This program also modifies existing basic TOW launchers to the TOW-2 configuration.

DRAGON Modification (P-1 Line Item No. 24)

(\$ in Thousands) FY 1988

FY 1989 \$17,500

\$7.3 million is requested in FY 1988 and \$17.5 million is requested in FY 1989 to procure improved DRAGON missile warheads. Inis modification is designed to improve the accuracy and lethality of the medium DRAGON antitank missile against the evolving threat.

LANCE Modification (P-1 Line Item No. 25)

(* in Thousands)
FY 1988
\$15,300

\$15.3 million is equested in FY 1988 for procurement of timers and guidance and control equipment for the Lance missile system. \$5.2 million is requisted in FY 1989 for procurement of special depot test equiment and land navigational equipment which is part of the service life extension program.. (\$ in Thousands) FY 1988 \$9,300

PERSHING Modifications (P-1 Line Item No. 26)

\$9.3 million is requested in FY 1988 and \$9.0 million is requested in FY 1989 for procurement of modification kits necessary to improve accuracy and enhance safety of the Pershing missile system.

2-18 January 1987

MLRS Modifications (P-1 Line Item No. 27)

(\$ in Thousands)

FY 1988
\$4,500 \$\$

FY 1989 \$33,900 \$4.5 million is requested in PY 1988 and \$33.9 million in FY 1989 to provide an improved electronic unit, pod hoist, modification to fire Army Tactical Missile System, and various other improvements.

AN/TSU 73 Modifications (P-1 Line Item No. 28)

(\$ in Thousands)
FY 19
FY 1988
\$1,28

\$1.3 million is requested in FY 1989 to fund a modification which will enable the AN/TSQ-73, the Comman. Control system used with HAWK and PATRIOT Air Defense S…tem in Europe to use host nation telecommunications and provide a common crypto system with joint tactical air defense systems.

2-19 January 1987

Department of the Army	Appropriation			FY 1988/89
Annual Budget Estimates JUSTIFICATION	Missile Procurement, Army	ment, Army		B. et
Program or Budget Project Account		(Thousa	(Thousands of Dollars)	
	Actual	Estimate	Estimate	Estimate
Activity 4 - Spares and Repair Parts	FY 1986	FY 1987	FY 1988	FY 1989
Direct Obligation or Direct Budget Plan	\$253,600	\$140,400	\$140,400 \$246,600	\$250,700

Section 1 - PURPOSE AND SCOPE

Provides for the procurement of initial provisioning, peacetime replenishment, and mobilization reserve of repairable major assemblies and repair parts for surface-to-air, air-to-surface, surface-to-surface, and antitank missile systems and support items.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Required for the procurement of initial provisioning, peacetime replenishment, and mobilization reserve requirements of centrally managed, high dollar value depot repairable missile system components, assemblies, and repair parts which are not carried in Army stock fund inventories.

(\$ in Thousands) \$172,900 Initial Provisioning (P-1 Line Item No. 29)

Initial Provisioning is requested to support tne following major item procurements:

FY 1989	20.9
\$ 3.3	9.6
65.0	5.7
FY 1988	10.3
\$ 3.8	27.3
93.2	8.7
System CHAPARRAL PATRIOT	Silver Pedestal Mount MLRS

2-20 January 1987

System	FY 1988	FY 1989
NON LINE OF STUHI HAWK MODS PATRIOT MODS	81.8 0.0 2.0	1 3 0 C
MODS	1.0	- o.
	(\$ 1n Thousands) FY 1988 \$73,700	FY 1989 \$130,100

Spares and Repair Parts (P-1 Line Item No 29)

\$73.7 million is requested in FY 1966 and \$130.1 million is requested in FY 1989 for missile system peacetime replanishment repair parts.

Department of the Army	Appropriation			FV 1088780
JUSTIFICATION	Missile Procurement, Army	rement, Army		Budget
Program or Budget Project Account		(Thousand	(Thousands of Dollars)	
	Actual	Estimate	Estimate	Estimate
Activity 5 - Support Equipment & Facilities	FY 1986	FY 1987	FY 1988	FY 1989
Direct Obligation or Direct Budget Plan	\$ 50,300	\$42,900	\$35,100	\$50,500

Section 1 - PURPOSE AND SCOPE

Provides for the procurement of support equipment, miscellaneous items less than \$2.0 million and production base support for Army missile systems.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

FY 1989 \$39,300	
(\$ in Thousands) FY 1988 \$21,400	
30)	
Air Defense Targets (P-1 Line Item No. 30)	

\$21.4 million is requested in FY 1988 and \$39.3 million in FY 1989 for procurement of air defense targets, towed targets and ground support systems. This program provides targets for training of air defense personnel.

	FY 1989	\$2,100
(* in Thousands)	FY 1988	\$2,100
Items Less Than \$2,000,000 Million (P-1 Line Item No. 31)		

\$2.1 million is requested in FY 1988 and \$2.1 million in FY 1989 for procurement of tool and test sets to support missile system maintenance and repair.

Production Base Support (P-1 Line Item No. 32)

(\$ 1n Thousands)

FY 1988
\$11,600 \$\\$5,00

\$11.6 million is requested in FY 1988 and \$9.0 million is equested in FY 1989 for production base support for missiles and air defense. This request includes funding for new and replacement equipment at White Sands Missile Range, rehabilitation/replacement of buildings and equipment at Government Owned/Contractor Operated facilities, and the procurement of plant equipment required to support the depot maintenance mission.

MISSILE PROCUREMENT, ARMY

Section 2

Comparison of Program Requirements and Financing

Comparison of FY 1987 program requirements as reflected in FY 1987 budget with FY 1987 program requirements as shown in FY 1988 budget.

Comparison of FY 1987 financing as reflected in FY 1987 budget.

Comparison of FY 1986 program requirements as reflected in FY 1987 budget with FY 1986 program requirements as shown in FY 1988 budge .

Comparison of FY 1986 financing as reflected in FY 1987 budget with FY 1946 financing as shown in FY 1988 budget.

2-24 January 1987

COMPARISON OF FY 1987 PROGRAM REQUIREMENTS
AS REFLECTED IN FY 1987 BUDGET WITH
FY 1987 PROGRAM REQUIREMENTS AS SHOWN IN FY 1988 BUDGET

SUMMARY OF REQUIREMENTS (in Thousands of Dollars)

Appropriaton:	Total Program Requirements Per FY 1987 Budget	Program Requirements Per FY 1988 Budget	Inorease (+) or Decrease (-)
Activity 1 - Antiballistic Missile System Activity 2 - Other Missiles Activit 3 - Modification of Missiles Activity 4 - S "es and Repair P"rts Activity 5 - Support Equipment and Facilities TOTAL	0 \$2,064,200 173,500 150,900 49,600 \$2,438,200	\$1,881,400 129,100 140,400 42,900 \$2,193,800	.\$182,800 -44,400 -10,500 -6,700

EXPLANATION OF ACTIVITY

Activity 2 - Other Missiles (-\$182.8) - Decrease of \$182.8 million due to Congressional action as follows:

-75.2	-34.5	-28.3 -15.5	-18.1
Chaparral Air Defense S stem-Heavy	Other Missile Support Patriot Stinger	TOW Adv Proc	Persoln MLRS

2-25 January 1987

Activity 3 - Modification of Missiles (-\$44.4) - Decrease of \$44.4 million due to Congressional action as follows:

Mods -17.5	1 Mods2	8.61-		/·h- spo	1. 1. 44. 44. 44. 44. 44. 44. 44. 44. 44
Patriot Mods	Chaparral Mods	HAWK Mods	TOW Mods	DRAGON Mods	LANCE Mods

Activity 4 - Spares and Repair Parts (-\$10.5) - Decrease of \$10.5 million due to Congressional action as follows:

Spares and Repair Parts -10.5

Activity 5 - Support Equipment and Facilities (-\$6.7) - Decrease of \$6.7 million due to Congressional action as follows:

Air Defense Targets -6.0 Production Base Support -.7

COMPARISON OF FY 1987 FINANCING AS REFLECTED IN FY 1987 BUDGET WITH FY 1987 FINANCING AS SHOWN IN FY 1988 BUDGET (in Thousands of Dollars)

Appropriaton:	Financing Per FY 1987 Budget	Financing Per FY 1988 Budget	Increase (+) or Decrease (-)
Program Requirements (Total) Program Requirements (Service Account) Program Requirements (Reimbursable)	\$2,908,300 (2,438,200) (470,100)	\$(2,773,600) (2,193,800) (579,800)	-\$134,700 -244,400 +109,700
Less: Anticipated reimbursements		579,800	+579,800
Financing: Offsetting collections from: Federal Funds Trust Funds Non-Federal Sources	-406,500	_451,000 _127,700 _1,100	
BUDGET AUTHORITY	2,438,200	2,193,800	-244,400
Appropriation Transferred to other accounts Appropriation (Adjusted)	2,438,200	2, 193, 800	+13,000 -244,400

2-27 January 1987

EXPLANATION OF CHANGES IN FINANCING

The Fiscal Year 1987 program has decreased by \$244.4 million since submission of the Fiscal Year 1986 budget to Congress. Adjustments to financing categories are explained below:

- 1. Anticipated Reimbursements: \$109.7 million increase in the foreign military sales program.
- 2. Budget Authority: Decrease of \$244.4 million due to Congressional reductions.

2-28 January 1987

COMPARISON OF FY 1986 PROGRAM REQUIREMENTS AS REFLECTED IN FY 1987 BUDGET WITH FY 1986 PROGRAM REQUIREMENTS AS SHOWN IN FY 1988 BUDGET

SUMMARY OF REQUIREMENTS (in Thousands of Dollars)

Appropriaton:	Total Program Requirements Per FY 1987 Budget	Program Requirements Per FY 1988 Budget	Increase (+) or Decrease (-)
Activity 1 - Antiballistic Missile System Activity 2 - Other Missiles Activity 3 - Modification of Missiles Activity 4 - Spares and Repair Parts Activity 5 - Support Equipment and Facilities TUTAL	\$2,375,100	\$2,299,400	-75,700
	187,000	157,300	-29,700
	286,800	253,600	-33,200
	55,400	50,300	-5,100

legislation. \$39.5 million was a Congressionally directed inflation reduction, -d \$6.0 million was for classified reprogramin effort. \$86.4 million was was associated with an increase to the Chaparral and Stinger programs, in accordance with Reprograming action (FY 86-54 PA) for Follow-on Air Defense. Activity 2 - Other Missiles (-\$75.7)- \$116.4 million was reduced based on the Gramm/Rudman/Hollings

EXPLANATION OF ACTIVITY

Activity 3 - Modification of Missiles (-\$29.7)- \$9.2 million was reduced based on the Gramm/Rudman/Hollings legislati , and \$20.5 million was a Congressionally directed inflation reduction.

Activity 4 - Spares and Repair Parts (-\$33.2)- \$14.7 million was reduced based on the Gramm/Rudman/Hollings legislation, \$7.4 million was a Congressionally directed inflation radiation and \$11.1 million was for a reprograming effort (FY 80-47 PA).

Gramm/Rudman/Hollings legislation, and \$2.4 million was a Congressionally directed inflation reduction. Activity 5 - Support Equipment and Facilities (-\$5.1)- \$2.7 million was reduced based on the

2-29 January 1987

COMPARISON OF FY 1986 FINANCING AS REFLECTED IN FY 1986 FINANCING AS SHOWN IN FY 1988 BUDGET

(in Thousands of Dollars)

Appropriatons	Financing Per FY 1987 Budget	Financing Per FY 1988 Budget	Increase (+) or Degreese (-)
Program Requirements (Total) Program Requirements (Service Account) Program Requirements (Reimbursable)	\$3,427,032 (2,904,332) (522,700)	\$3,322,910 (2,760,500) (562,330)	-\$104,122 -143,752 +39,630
Less: Anticipated relabursements	522,700	562,330	+39.630
Financing: Offsetting collections from: Federal funds Trust funds Available to finance new budget plans Reprogramming from/to prior year budget plans	-444,000 -78,688 -81,200	-488, 678 -73, 652 -86, 460	+44,678 -5,036 -86,448
Unobligated balance tranferred to other accounts	81,200		
Unobligated balance available to finance subsequent year budget		87,900	+87,900
BUDGET AUTHORITY	2,904,332	2,760,580	-143,752
BUDGET AUTHORITY Appropriation Transferred to other accounts	2,904,332	2,760,580	-143,752
Appropriation (Adjusted)	2,904,332	<, 760, 560	-143,752

2-30 January 1987

EXPLANATION OF CHANGES IN FINANCING

The Fiscal Year 1986 program has decreased \$104.1 million since preparation of the fiscal Year 1986 budget to Congress. Adjustments to financing categories are explained below:

- 1. Anticipated Reimbursements: \$39.6 million increase in foreign military sales program.
- 2. Budget Authority: \$143.0 million was reduced due to Gramm/Rudman/Hollings legislation, \$69.8 million was a Congressionally directed inflation reduction, \$11.1 million was reduced due to a reprograming for Army Materiel Command 5-year ADP requirement (FY 86-47 PA) and \$6.0 million reduction for a classified effort. An increase of \$86.4 million was for Follow-on Air Defense reprograming to the Chaparral and Stinger missile

2-31 January 1987

END DATE FILMED 3